



# Interoperability Montana Project

## Subscriber Performance Criteria Testing

Manufacture: Kenwood

Model #: 5210 Mobile

Mobile   Portable (circle one)

Person Performing Qualification Check: Jack Spillman

	Performance Test or Measure	Pass/Fail	Comments	Initial
1	Specification sheets for model (attached)	P		JS
2	Operational test - Motorola Astro Smartzone Trunking Systems (7.1 platform)	P		JS
3	P25 Certification	P		JS
4	Power out (35/4 watts)	P		JS
5	Receiver Sensitivity: Minimum .25 uV, with max 5% bit error rate (BER)	P		JS
6	Minimum of 3 Zones, with 48 channels\talk groups	P		JS
7	Encryption: DES-OFB 16 key encryption capable (AES encryption capable, but not yet needed)	P	Cables do work with the Motorola KVL.	JS
8	Frequency range: 136-174 MHz	P		JS
9	PL/DPL (CTCSS/DCS) Capable	P		JS
10	16 Channel Selector Knob (Handhelds only)	P		JS
11	One year warranty, parts and labor	P		JS
12	MIL-STD 810C, D, E, and/or F	P		JS
13	Hardware selective inhibit test	P		JS
14	Encryption Capacity and KID setup test (optional)	P		JS



15	Outbound page enable (Model Dependant) (optional)	P		JS
16	Mixed Scan capable	P		JS
17	Talkgroup Call	P		JS
18	Multigroup Call	N/A	Did not try	JS
19	Private Call	N/A		JS
20	Call Alert	P		JS
21	Continuous Assignment Updating	P		JS
22	Multi-Zone Roaming (Conditional)	N/A		JS
23	All Start Talkgroup	N/A		JS
24	Fast Start Talkgroup Without Critical Site	P		JS
25	Site Trunking	N/A	Unable to take site down	JS
26	Site Trunking Roaming To Wide Area Sites	N/A	Present system is all inclusive in programming	JS
27	Emergency Alarm and Call Display	P		JS
28	PTT Unit ID/Alias Display	P		JS
29	Conventional Radio Resource	P		JS

**Comments:**

The user should be sure the visibility is acceptable, and should test the front panel display. The button configuration will take some time to develop to enable good ability to use easily; this may take a few programmings to correct.

Do not alter the basic site use parameters provided by Kenwood, the radio does react in a negative way. Purchasers are encouraged to test the units on the system prior to purchase.



**I certify that the above tests have been complete. The signature below indicates the referenced radio has met the above listed tests and certifications. All potential purchasers of the above referenced VHF radio are encouraged to test the radios on the IM system prior to purchase to determine applicability to agency needs.**

Person Performing Test:

*Paul Sullivan*  
Signature

9/28/09  
Date

Technical Committee Chair

*Bob McVelling*  
Signature

9-28-09  
Date